### NOTES:
1. HEAD-LEAK TEST @ 1 ATM. 1X10^-7 CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
2. HYPTOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM PIN TO PIN AND HOUSING WITH MATING CONNECTORS (2418 HAS NO SHIELDING, 2418-EMI HAS A GROUNDED SHIELD).
3. CONTINUITY TEST PIN TO SOCKET 0.5 OHM MAXIMUM WITH MATING CONNECTORS.
4. FOR 2418-EMI, ONLY SHELLS FOR ITEMS 3 & 4 TO HAVE ELECTRICAL CONTINUITY WITH HOUSING (ITEM 1).
5. ALCOHOL OR FOMBLIN VAC-YL 5 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM. HELEUM LEAK TESTING.
6. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
7. ALL PARTS MUST PASS ALL TESTS.
8. COSMETIC SURFACE Voids NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:
   - <=.5 [12.7] SEAL DIAMETER: Ø .035 [.89] MAX ALLOWED VOID SIZE
   - >.5 [12.7] SEAL DIAMETER: Ø .060 [1.5] MAX ALLOWED VOID SIZE
9. REF-OPERATING TEMPERATURE -20°C TO 125°C.
10. DIMENSIONS ARE INCHES [millimeters].
11. PAVE-SEAL CAN BE A BI-DIRECTIONAL HERMETIC SEAL FOR VACUUM AND MOST PRESSURES. FOR PRESSURES ABOVE 150 PSI (10 BAR). CHECK WITH SALES ENGINEERING.

### MATERIAL
- **SEE TABLE**

### PART NUMBER
- **DESCRIPTION**
  - **PART #**
  - **QTY**
  - **ITEM**
  - **DESCRIPTION**
    - **VS18 INSTALLATION PORT**
      - **Housing**
        - **2 1 VS18-SS**
      - **Strain Relief**
        - **1 MS3057-8AN**
    - **SC3102A16S-8S**
      - **Plug**
        - **5#16 SOC NICKEL PLATED ALUMINUM SHELL SILVER PLATED COPPER ALLOY SOLDER CUP CONTACTS**
    - **SCP02PM16S-8S**
      - **Plug**
        - **5#16 PIN NICKEL PLATED ALUMINUM SHELL SILVER PLATED COPPER ALLOY SOLDER CUP CONTACTS**
    - **SCP02PM16S-8P**
      - **Plug**
        - **5#16 PIN NICKEL PLATED ALUMINUM SHELL SILVER PLATED COPPER ALLOY CONTACTS**
    - **SC3102A16S-8P**
      - **Plug**
        - **5#16 SOC NICKEL PLATED ALUMINUM SHELL SILVER PLATED COPPER ALLOY CONTACTS**
    - **219 VITON**
      - **O-RING**
        - **-219 VITON 75**
    - **1 SEE TABLE**
      - **HOUSING VS18-SS**
    - **1014**
      - **NUT VS18-SS**
    - **A/R PAVE-Seal 150**
      - **EPOXY BLACK**
    - **5315 VS18-SS-150-5-16-3102PS GROUNDED SHIELD**
    - **5315 VS18-SS-150-5-16-3102PS**
    - **2418 VS18-SS-150-5-16-3102PS**

### Diagram
- **2418**
- **2418-EMI**
- **VS18 INSTALLATION PORT**
- **ATMOSPHERE**
- **VACUUM**
- **1 DEGREE SURFACE FINISH 128 microinch RMS**